

## MASS FLOW METER WITH CHIP-TYPE SENSORS

ABSTRACT OF THE DISCLOSURE

A mass flow meter employs discrete chip-type temperature sensors to sense a fluid flow rate. The sensor can be a semiconductor chip such as SiC or silicon, or  
5 thin film tungsten on an AlN substrate. The sensors can be distributed symmetrically with respect to the conduit through which the fluid flows, and can be connected in a four-sensor bridge circuit for accurate flow rate monitoring. An output from the mass flow meter can be used  
10 to control the fluid flow.